



Dart Hawkesbury
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

646.4002
Job Sheet 167643-B



Part No: 646.4002

Job Qty: 1 ea

Part Name: AS350 Wiper Deflector



Part Weight: 0 lbs

Status: Scheduled

Priority: High

Job Created: 11/3/17

Job Tracking No:

Due Date: 12/4/17

Created By: Victoria Michaud-Febrille

Type: SOLD

Description:

Customer: Airbus Cono Sur SA - EC Cono Sur (CEURO09)

Ruta 8 Brig. Gral. J.A. Lavalleja, Km 17500, Zonamerica Edificio 200 Local 208 Montevideo, CP 91600
Uruguay ph:00. 589 2518 2566 fx:00. 598 2518 2565.

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup hrs	Run Hrs	Workcenter / Supplier	Lead Time	
90	Start up Operation	1 Ea		12/4/17	0.00	0.00	Start Up Stores/Pkg1		AT
110	Packaging	1 pcs		12/4/17	0.00	0.00	Packaging1		AT
120	QC	1 pcs		12/4/17	0.00	0.00	QC4		
125	DC	1 pcs		12/4/17	0.00	0.00	DC		T.C.
130	Packaging	1 pcs		12/4/17	0.00	0.00	Packaging3		7.1.10
140	QC21-FG	1 Ea		12/4/17	0.00	0.00	QC21		

Part Op 125 - Photocopy bluefile & type labels per PPP 646.4002
Descriptions: 130 - Identify and pack for shipping as per PPP 646.4002 Location: FG102

DEC 14 2017

Job Allocations

Operation	Component Part	Required	Inventory	Allocated	Std Qty
90-Start up Operation 24 p. 02/2018	600.1012 5021091	1 ✓	27	0	0
	646.3410 5021098	1 ✓	15	0	0
	646.3411 5021097	1 ✓	13	0	0
	646.3814 5021095	2 ✓	14	0	0
	MS21042L3 5021092	6 ✓	1,109	0	0
	MS24694-S53 5021086	2 ✓	237	0	0
	MS27039-1-18 5021085	2 ✓	2,262	0	0
	MS27039-1-19 5021084	2 ✓	390	0	0
	NAS1149F0332P 5021083	16 ✓	2,930	0	0

Part Specifications

Specifications could not be found.

DART
AEROSPACE
S021103



AS350 Wiper Deflector

PART NO: 646.4002

Revision:

Operation: Start up Operation

Change No:

Dart Aerospace Ltd.

1270 Aberdeen Street
Hawkesbury, ON K64 1K7

CANADA

TEL.: 1 613 632-5200

Email: sales@dartaero.com

www.dartaerospace.com

Mfg Date: 12/13/17

Job No: 167643-B

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DIA DART AEROSPACE. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE EXPLICIT
WRITTEN PERMISSION OF APICAL INDUSTRIES DIA DART AEROSPACE IS PROHIBITED.

NOTES:

1 AFTER INSTALLATION, APPLY F/N 54 A/R TO FILL GAPS AND FILLET EDGES.

2 INSTALL F/N 14 WITH F/N 52 & 53.

3 3M VHB ADHESIVE TAPE .025" THICK X .50" WIDE
VENDOR: MCMASTER-CARR P/N 75935A651.

4 3M TAPE PRIMER 94, APPLY TO BOTH SURFACES A/R BEFORE TAPE.
VENDOR: R.S. HUGHES P/N 021200-24216.

5 REUSE FASTENERS FROM F/N 1.

6 USE WASHERS A/R AS SHIMS TO OBTAIN BEST FITMENT.

7 AT CUSTOMERS OPTION, INSTALL F/N 65 BY MATCH DRILLING ON TO F/N 1.

8 INSTALL SHIM IF OEM PROVISIONS ARE INSTALLED ON AIRCRAFT. REMOVE
SHIM LAYERS TO ACHIEVE CORRECT SIZE. MATCH DRILL HOLES. USE F/N 78
SCREW IN PLACE OF F/N 17 SCREW.

9 NEWER INSTALLATIONS ON AIRCRAFT WITH UPDATED CANOPY MAY
REQUIRE DIFFERENT LENGTH SCREWS. USE F/N 62 TO REPLACE F/N 44 &
F/N 26 IN PLACE OF F/N 41 WHEN NECESSARY.

UNINCORPORATED ECN(S)

05304

5	5	5	78	601.3875	SCREW	HENKELS				
1	1	1	77	646.9410	SHIM	△				
	4	4	76	601.2764	WASHER	NAS1149H832P				
	2	2	75	601.2973	LOCKNUT	MS21042-08				
	2	2	74	601.2988	SCREW	MS27039-0813				
	2	2	73	601.2943	LOCKNUT	MS21042-3				
	2	2	72	601.3128	NUT	AN316C48				
	2	2	71	601.3209	LOCKNUT	MS21042-1				
	4	4	70	601.2638	WASHER	NAS1149H832P				
	2	2	69	601.2669	BOLT	AN4C7A				
	2	2	68	601.3119	CLEVIS	AN665-34P				
	2	2	67	601.3121	EYE BOLT	AN644-5A				
	2	2	66	650.9201	EYE BRACKET ASSY					
REF	REF	REF	65	647.5701	GPS MOUNT KIT	△				
		2	64	601.3151	WASHER	NAS1149H832P				
		63	601.2911	SCREW	MS2469MS33					
	24	24	62	601.2637	SCREW	MS27039-1-16				
2	2	2	61	601.2763	BOLT	AN3-12A				
	1	1	60	646.3913	SHIM					
	4	4	59	646.3912	SHIM					
	1	1	58	646.3911	SHIM					
	4	4	57	646.3910	SHIM					
	5	5	56	600.1013	PRIMER					
	8 FT	8 FT	55	600.0129	VHB TAPE					
	1	1	54	600.1012	SEALANT	PP-105 CLASS B				
	1	1	53	600.0991	MAGNABOND 6398 PART B	△				
	1	1	52	600.0990	MAGNABOND 6398 PART A	△				
6	10	10	51	601.2826	BOLT	AN3-11A				
		2	50	646.3814	WIPER BRACKET					
		2	49	601.2910	SCREW	MS27039-1-18				
	2	2	48	601.1365	SCREW	MS27039-1-10				
	2	2	47	646.3719	DOUBLER					
	2	2	46	646.3718	CUSTOM WASHER					
	1	1	45	646.3717	DOUBLER					
	22	22	44	601.1948	SCREW	MS27039-1-19				
	2	2	43	601.1952	SCREW	MS27039-1-00				
	4	4	42	601.1956	SCREW	MS27039-1-21				
4006	4005	4004	4003	4002	4001	FIND #	PART #	DESCRIPTION	MATL	SPEC.

REV.	DESCRIPTION	DATE	APPROVED
A	INCORPORATED ECN 02711, 02712, 02713 & 02714	03/08/2010	P. BRAYO
B	INCORPORATED ECN 02044, 02077 & 04231	11/04/2014	P. BRAYO
C	INCORPORATED ECN 03099	09/02/2015	P. BRAYO

		2		2	41	601.2829	SCREW	MS2469MS4		
		2		2	40	601.2831	RIVET	MS2042SADS-7		
		1		1	39	646.3716	GAUGE BRACKET			
		6		6	38	601.1953	SCREW	MS27039-1-12		
	2			2	37	646.3715	STRUT DOUBLER			
	2	2		2	36	601.2824	BOLT	AN3-5A		
12	36			36	35	601.2277	RIVET	CCP4HMS-302		
6	18			18	34	600.0795	NUTPLATE	MS21047-3		
3	3			3	33	601.2565	RIVET	MS20470ADS-7		
1	1			1	32	646.3813	STRUT BRACKET			
4	4			4	31	601.2822	BOLT	AN3-5A		
2	2			2	30	646.3812	GUSSET BRACKET			
8	8			8	29	601.2564	RIVET	MS20470ADS-6		
1	1			1	28	646.3714	GUSSET			
	1	1		1	27	646.3610	FILLER			
	3	3		3	26	601.2830	SCREW	MS2469MS55		
	2	2		2	25	601.2825	BOLT	AN3-6A		
	1	1		1	24	646.3811	RADIUS BLOCK			
	1	1		1	23	646.3712	CLIP			
	1	1		1	22	646.3711	CLIP			
8	8			8	21	601.2832	RIVET	MS20470ADS-3		
14	14			14	20	601.2020	RIVET	CR3213-5-3		
4	6	4	6	10	19	601.2823	BOLT	AN3-4A		
	1	1	1	1	18	601.2827	BOLT	AN3-13A		
	5	5	5	5	17	601.2912	SCREW	MS2469MS1		
1		1		1	16	646.3713	GUSSET			
1		1		1	15	646.3210	SUPPORT			
		1		1	14	646.3710	DOUBLER			
	1	1		1	13	646.3110	CHANNEL			
14	10	8	53	6	61	12	601.1624	LOCKNUT	MS21042L3	
16	32	18	120	16	144	11	601.1607	WASHER	NAS1149H832P	
				1	10		646.3410	LM WIPER DEFLECTOR		
				1	9		646.3411	RM WIPER DEFLECTOR		
		2		2	8		647.7703	STRUT ASSY		
		2		2	7		647.0112	STRUT BRACKET		
	1	1		1	6		646.3511	STRUT		
	1	1		1	5		646.3510	STRUT		
2	2			2	4		646.3810	BRACKET		
		1		1	3		646.2910	DEFLECTOR		
	1	1		1	2		646.3001	LOWER CUTTER ASSY		
		1		1	1		646.3301	UPPER CUTTER ASSY		
X							646.4006	LOWER CUTTER FIXED PROVISIONS		
	X						646.4005	LOWER CUTTER REMOVABLE PROVISIONS		
		X					646.4004	FIXED PROVISIONS KIT		
			X				646.4003	CABLE CUTTERS KIT WITH-HOLD FIXED PROVISIONS		
			X				646.4002	ASS350 WIPER DEFLECTOR KIT		
				X			646.4001	ASS350 CABLE CUTTERS KIT		
4006	4005	4004	4003	4002	4001	FIND #	PART #	DESCRIPTION	MATL	SPEC.

QTY		PARTS LIST	
NEXT ASSY (S)		ORIGINAL DATE: 08-27-08	
		DESIGNED BY: J. BRAYO	
		CHECKED BY: J. BRAYO	
		DRAWING APPROVAL: J. BRAYO	
		DESIGNED BY: J. BRAYO	
		UNLESS OTHERWISE SPECIFIED	
		DIMENSIONS ARE IN INCHES	
		TOLERANCES ARE:	
		3 PLACES DECIMALS: ±.015	
		2 PLACES DECIMALS: ±.030	
		ANGLES: ±.5°	
3030 ENTERPRISE CT. SUITE A VISTA, CA. 92081 (760)-724-5300		APICAL INDUSTRIES, INC. 4001 DART AEROSPACE	
AS350 CABLE CUTTERS KIT		REV. C	
SCALE: NONE		SHEET 1 OF 3	